

IMPLANTABLE CARDIAC STIMULATION DEVICE THAT DEFIBRILLATES THE ATRIA WHILE AVOIDING THE VENTRICULAR VULNERABLE PERIOD AND METHOD

Abstract of the Disclosure

10 An implantable cardiac stimulation device applies defibrillating electrical energy to the atria of a heart at a time which avoids inducing ventricular fibrillation of the heart. The device includes an atrial fibrillation detector that detects atrial fibrillation of the heart, a pacing pulse generator that applies a ventricular pacing pulse to the heart responsive to detection of atrial fibrillation, a timer that times a time period through an evoked response and a T-wave caused by the pacing pulse, and a defibrillation pulse generator that applies defibrillating electrical energy to the atria of the heart after the timer completes the timing of the time period.